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PTO/SB/21 (08-00)

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Application Number

Filing Date

10/22/2001

First Named Inventor

Yongchang Qiu et al

Group Art Unit

Examiner Name

Total Number of Pages in This Submission

5

Attorney Docket Number

GII5412-1AUSA

J1002 U.S. PRO
10/04/02

01/18/02

ENCLOSURES (check all that apply)

- ☐ Fee Transmittal Form
☐ Fee Attached
☐ Amendment / Reply
☐ After Final
☐ Affidavits/declaration(s)
☐ Extension of Time Request
☐ Express Abandonment Request
☒ Information Disclosure Statement
☐ Certified Copy of Priority Document(s)
☐ Response to Missing Parts/ Incomplete Application
☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers (for an Application)
☐ Drawing(s)
☐ Licensing-related Papers
☐ Petition
☐ Petition to Convert to a Provisional Application
☐ Power of Attorney, Revocation Change of Correspondence Address
☐ Terminal Disclaimer
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- ☐ After Allowance Communication to Group
☐ Appeal Communication to Board of Appeals and Interferences
☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
☐ Proprietary Information
☐ Status Letter
☒ Other Enclosure(s) (please identify below):

Copies of (14)
references

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm
or
Individual nameCathy A. Kodroff, Esquire
Howson and Howson

Signature

Cathy A. Kodroff

Date

1-18-2002

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of) Group Art Unit:
)
Yongchang Qiu et al) Examiner:
)
Appln. No.)
)
Filed: October 22, 2001)
)
For: ISOTOPE-CODED IONIZATION-) HAND-DELIVERY
ENHANCING REAGENTS (ICIER) FOR) January 18, 2002
HIGH-THROUGHPUT PROTEIN)
IDENTIFICATION AND)
QUANTITATION USING MATRIX-)
ASSISTED LASER DESORPTION)
IONIZATION MASS SPECTROMETRY)

Assistant Commissioner for Patents
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit to the Examiner the attached Form PTO/SB/08A/B document listing and this paper pursuant to 37 CFR §1.56 and § 1.97-1.98. Form PTO/SB/08A/B is attached and copies of the references are enclosed herewith.

This Information Disclosure Statement is submitted within three months of the filing date of this application, and prior to receipt of an Office Action on the merits. Therefore, no fees are believed due. However, the Director of the U. S. Patent and Trademark Office is hereby authorized to charge any deficiency in any fees due with the filing of this paper or credit any overpayment in any fees paid on the filing, or during prosecution of this application to Deposit Account No. 08-3040.

The Examiner is respectfully requested to consider the documents identified in this paper and in the attached Form PTO/SB/08A/B during the course of the examination of this application.

Respectfully submitted,

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Attorneys for the Applicants

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PTO/SB/08A (08-00)

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	
				Filing Date	
				First Named Inventor	
				Group Art Unit	
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	
				GII5412-1AUSA	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	AA	4,977,320	B1	S. Chowdhury	12/11/1990	
	AB	5,245,186	B1	B. Chait	09/14/1993	
	AC	5,288,644	B1	R. Beavis	02/22/1994	
	AD	5,453,247	B1	R. Beavis	09/26/1995	
	AE	5,643,798	B1	R. Beavis	07/01/1997	
	AF	5,792,664	B1	B. Chait	08/11/1998	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	AL	WO	WO93/24834	A1	B. Chait	12/09/1993		
	AM	WO	WO91/04781	A1	R. Beavis	04/18/1991		
	AN	WO	WO00/11208	A1	R. Aebersold	03/02/2000		

Examiner Signature		Date Considered	
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08B (08-00)

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				Application Number	
				Filing Date	
				First Named Inventor	
				Group Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	GII5412-1AUSA

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS				
Examiners Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	AR	E. KRAUSE et al, "The Dominance of Arginine-Containing Peptides in MALDI-Derived Tryptic Mass Fingerprints of Proteins", Analytical Chemistry, 71(19)4160-4165 (October, 1999)		
	AS	M. MANN, "Quantitative Proteomics?", Nature Biotechnology, 17:954-955 (October, 1999)		
	AT	S. SECHI et al, "Modification of Cysteine Residues by Alkylation. A Tool in Peptide Mapping and Protein Identification", Analytical Chemistry, 70(24):5150-5158 (December, 1998)		
	AU	S. GYGI et al, "Quantitative Analysis of Complex Protein Mixtures Using Isotope-Coded Affinity Tags", Nature Biotechnology, 17:994-999 (October, 1999)		
	AV	D. FENYO et al, "Protein Identification Using Mass Spectrometric Information", Electrophoresis, 19:998-1005 (1998)		

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